



# UNITED STATES PATENT AND TRADEMARK OFFICE

UNITED STATES DEPARTMENT OF COMMERCE  
United States Patent and Trademark Office  
Address: COMMISSIONER FOR PATENTS  
P.O. Box 1450  
Alexandria, Virginia 22313-1450  
www.uspto.gov

APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/751,409	01/06/2004	Masaharu Umezu	0649-0939P	3176
2292	7590	01/27/2006	EXAMINER	
BIRCH STEWART KOLASCH & BIRCH			LOUIS JACQUES, JACQUES H	
PO BOX 747				
FALLS CHURCH, VA 22040-0747			ART UNIT	PAPER NUMBER
			3661	

DATE MAILED: 01/27/2006

Please find below and/or attached an Office communication concerning this application or proceeding.

<b>Office Action Summary</b>	<b>Application No.</b>	<b>Applicant(s)</b>	
	10/751,409	UMEZU ET AL.	
	<b>Examiner</b> Jacques H. Louis-Jacques	<b>Art Unit</b> 3661	

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

### Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) OR THIRTY (30) DAYS, WHICHEVER IS LONGER, FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

## Status

1)  Responsive to communication(s) filed on 06 January 2004.

2a)  This action is **FINAL**.                            2b)  This action is non-final.

3)  Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

## **Disposition of Claims**

4)  Claim(s) 1-8 is/are pending in the application.  
4a) Of the above claim(s) \_\_\_\_\_ is/are withdrawn from consideration.

5)  Claim(s) \_\_\_\_\_ is/are allowed.

6)  Claim(s) 1-8 is/are rejected.

7)  Claim(s) \_\_\_\_\_ is/are objected to.

8)  Claim(s) \_\_\_\_\_ are subject to restriction and/or election requirement.

## Application Papers

9)  The specification is objected to by the Examiner.

10)  The drawing(s) filed on \_\_\_\_\_ is/are: a)  accepted or b)  objected to by the Examiner.

    Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).

    Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).

11)  The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

**Priority under 35 U.S.C. § 119**

12)  Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).  
a)  All b)  Some \* c)  None of:  
1.  Certified copies of the priority documents have been received.  
2.  Certified copies of the priority documents have been received in Application No. \_\_\_\_\_.  
3.  Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

\* See the attached detailed Office action for a list of the certified copies not received.

**Attachment(s)**

1)  Notice of References Cited (PTO-892)  
2)  Notice of Draftsperson's Patent Drawing Review (PTO-948)  
3)  Information Disclosure Statement(s) (PTO-1449 or PTO/SB/08)  
Paper No(s)/Mail Date 1/6/04, 6/21/05.  
4)  Interview Summary (PTO-413)  
Paper No(s)/Mail Date. \_\_\_\_.  
5)  Notice of Informal Patent Application (PTO-152)  
6)  Other: \_\_\_\_\_

## **DETAILED ACTION**

### ***Claim Rejections - 35 USC § 102***

1. The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless –

(b) the invention was patented or described in a printed publication in this or a foreign country or in public use or on sale in this country, more than one year prior to the date of application for patent in the United States.

2. Claims 1-8 are rejected under 35 U.S.C. 102(b) as being anticipated by Kato [6,453,409].

Kato discloses a map data processing apparatus and center system for making update information of map data and differential data of map data updating. There is provided, according to Kato, a map data storage unit (e.g., 11) configured to store map data (abstract, figure 1, 3 and column 4), a differential data input unit configured to input differential data representing the difference between current map data stored in the map data storage unit and the most recent map data in a script format for each version (abstract, figure 3, 7 and column 4), and a map data multiple update unit configured to update the map data in the map data storage unit to the most recent map data using the differential data corresponding to the version (abstract, figure 2, 4, 6 and columns 6-7). According to Kato, the map data is made up of a plurality of elements or blocks (figures 4 and 6), wherein the map data multiple update unit includes a batch update data generation unit configured to generate batch update data from a plurality of pieces of differential data, and the map data multiple update unit uses the generated batch update data to update the map data (figures 3-7). In addition, according to Kato, the map data multiple update unit updates a plurality of pieces of differential data in order from the differential

data in an earlier version to the differential data in a later version (figures 6-7, columns 7-8). Kato further discloses a map data storing unit configured to store already updated map data, wherein the already updated map data may be additionally stored in the map data storing unit and wherein the data stored in the map data storing unit may be overwritten with the updated map data (figures 3, columns 7-9). Furthermore, Kato discloses a communication unit (e.g., 9) configured to communicate with the map data processing apparatus and to transmit the version of the map data stored in the map data storage unit to an external system and to receive the corresponding differential data represented in a script format based on the version information and a transmission data determination unit configured to determine the differential data to be transmitted from the differential data storage unit to the map data processing apparatus based on version information received through the communication unit from the map data processing apparatus, wherein the differential data determined by the transmission data determination unit is transmitted to the map data processing apparatus through the communication unit (figure 1, 2 and column 2, 4).

### *Conclusion*

3. The prior art made of record and not relied upon is considered pertinent to applicant's disclosure.

6,230,098	Ando et al	May 2001
6,876,922	Nagaki	Apr. 2005
US 20020082773	Ikeuchi et al	Jun. 2002

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Jacques H. Louis-Jacques whose telephone number is 571-272-6962. The examiner can normally be reached on M-Th 5:30 AM to 4:00 PM.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Thomas Black can be reached on 571-272-6956. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

Jacques H Louis-Jacques  
Primary Examiner  
Art Unit 3661

/jlj



JACQUES H. LOUIS-JACQUES  
PRIMARY EXAMINER